PG Department of Mathematics
Value added course – Mathematics for Competitive Exam

First Semester   **TOTAL HOURS : 30**

Syllabus
Course Outcome
Students are able to

CO1: Learn about HCF, LCM, average, surds and others.

CO2: Understand in depth the concept of Surds and Indices, percentage .

CO3: Solve problems on Profit, Loss, Simple, compund interst etc

CO4 : Analyze permutation and combination , probability and many concepts in graphs.

Syllabus

COURSE CONTENT

Unit I
    HCF and LCM, Decimal fraction, Simplification, Square root and Cube root, Average, Surds and Indices, percentage.

Unit II
Profit & loss, Ratio & proportion, Time & Work, Pipes & Cistern, Allegation or Mixture, Simple Interest, Compound Interest, Calender, Clocks.

Unit III
Permutation & combination,Probability, True Discount, Banker's Discount, Height & Distance, Odd man out & series, Completion of series, Data Interpretation – Tabulation, Data Interpretation – Bar/line/Pie Graphs.

Reference Books- Elements of Discrete Mathematics, C L Liu, McGraw.

JSS COLLEGE OF ARTS, COMMERCE & SCIENCE, OOTY ROAD, MYSORE – 25
(AUTONOMOUS)

PG Department in Mathematics
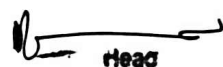
Time table for Value Added Course of the year 2019-20

Semester: First Semester

Course Name: Mathematics for Competitive Exam

Faculty Name: Dr.Shilpa N

Day	Time
Monday	4:00pm – 5:00pm
Wednesday	4:00pm – 5:00pm
Friday	4:00pm – 5:00pm

Signature of HOD

Head
PG Department of Mathematics
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